CIA-RDP86-00513R002065030009-6

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5/190/62/004/011/008/014 B106/B101

11.2314

Abasov, S. A.

AUTHORS:

Zhurkov, S. N., Interrelation between mechanical strength and thermal

TITLE:

destruction of polymers. III.

Vysokomolekulyarnyye soyedineniya, v. 4, no. 11, 1962,

PERIODICAL:

TEXT: The object was to ascertain the value of u in the empirical equation $\tau = \tau_0 \exp \left((u_0 - \gamma \sigma)/kT\right)$ for certain polymers, and to compare this value with the activation energy of the thermal destruction. Tis the value with the activation energy of the tensile stress d; u is defined durability of the polymer loaded with the tensile stress d; u is defined as the activation energy of mechanical destruction. The log T versus of as the activation energy of mechanical destruction. The log t versus of and the log t versus 1/T diagrams were plotted for polyvinyl chloride, polymethyl methacrylate, polystyrene, isotactic polypropylene, and teflom. u was found from the relation u = u - yo extrapolating the linear function u versus o to o = 0. Extrapolation of the linear function Card 1/2

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Interrelation between mechanical strength. B106/B101

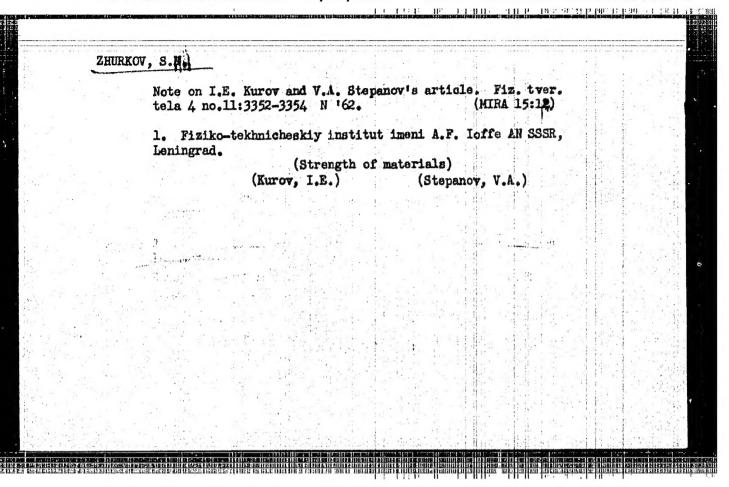
the u values, in kcal/mole, for the polymers investigated were compatible with the well known activation energies of the thermal destruction of these polymers. It was concluded that the breaking of the polymers is not a purely mechanical process, but consequent upon thermal decomposition of chemical bonds, activated by mechanical stress. There are 6 figures and 1 table.

ASSOCIATION: Fiziko-tekhnicheskiy institut im. A. F. Ioffe AN SSSR

(Physicotechnical Institute imeni A. F. Ioffe AS USSR)

SUBMITTED: July 6, 1961

Card 2/2



s/126/62/013/005/011/031 E091/E435 Zhurkov, S.N., Betekhtin, V.I., Slutsker, A.I. Block disorientation and strength of aluminium AUTHORS: PERIODICAL: Fizika metallov i metallovedeniye, v.13, no.5, 1962, The relationship between the degree of block 718-823 disorientation and strength to rupture of aluminium was investigated. The choice of a strength parameter was governed by the authors' desire to provide a criterion which, like the It would then depend on the time during which a body was in the stressed state. U.T.S., had a conventional value. T is associated with the stress to rupture of and the temperature T by the exponential relationship (1)where R is the gas constant and uo, To and Y are constants: determining the strength properties. Card 1/3

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5/126/62/013/005/011/031 E091/E435

Block disorientation .

working and alloying do not affect the values of uo and and all changes in strength of the metal are determined by the coefficient Y, which is thus a well-defined measure of change For this reason the authors used γ as the strength parameter and studied its relationship with the degree of block disorientation, which was determined by X-ray diffraction under small angles. For the investigation, aluminium foil was used, from which flat specimens in the form of a double blade were prepared. The specimens were annealed prior The tests to rupture were carried out under conditions of uniaxial tension under constant stress and The dependence of durability on stress and temperature was determined and from the results obtained the value of Y was calculated. It was found that there is a well-defined relationship between γ and the degree of block disorientation! the lower the value of γ the greater the degree of the latter. The quantitative relationship between Y and cav expressed by

Card 2/3

Block disorientation ...

S/126/62/013/005/011/031 E091/E435

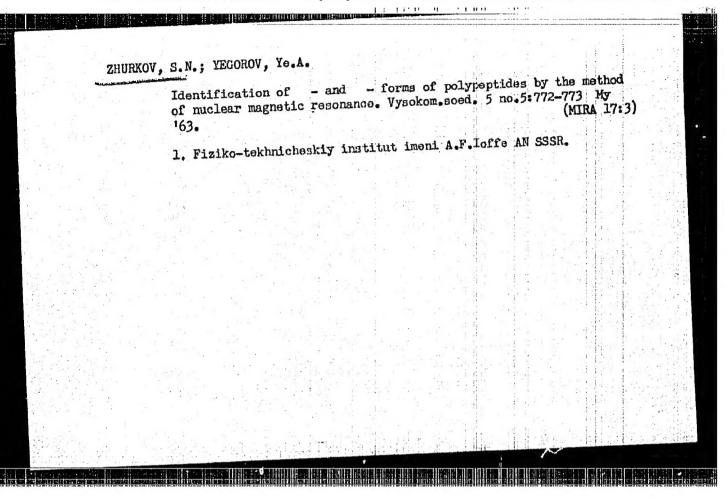
where the coefficient B is independent of the annealing temperature, work-hardening and purity of the aluminium. There are 4 figures:

ASSOCIATION: Fiziko-tekhnicheskiy institut AN SSSR im. A.F. Ioffe

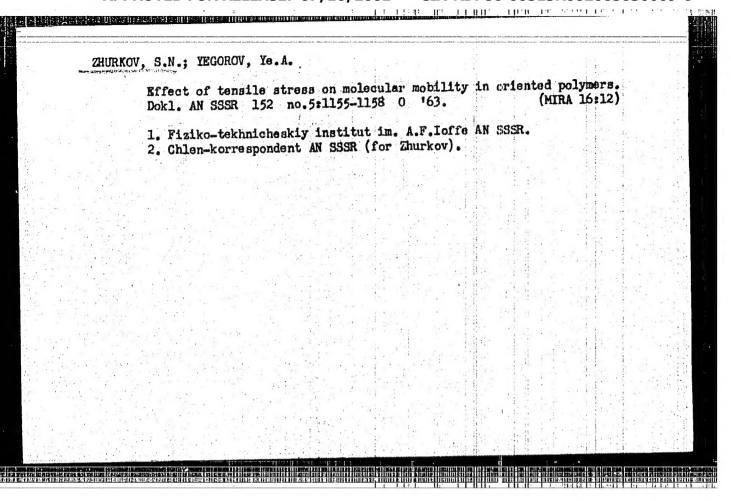
(Physicotechnical Institute AS USSR imeni A.F. Toffe)

SUBMITTED: August 21, 1961

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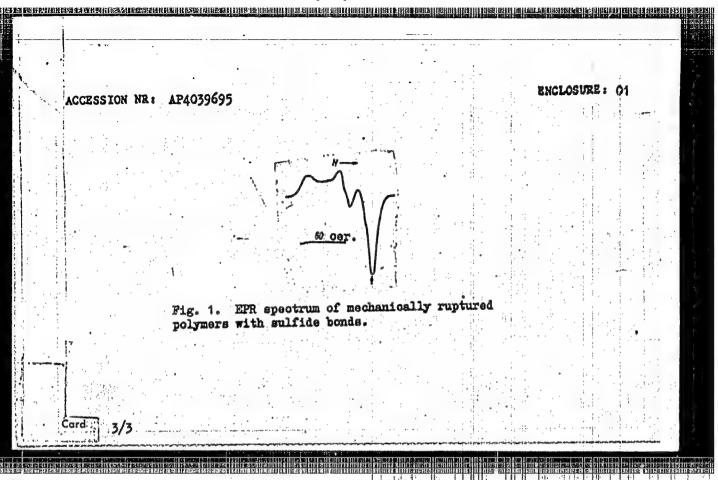
EWP(q)/EWI(m)/BDS E/0181/63/015/005/1326/1334 L 11197-63 ACCESSION IR: AF3000609 I,; Slutsker, A. I AUTHOR: Zmrkov. S. H.; Beterhitin Disorientation of unit atmotumes and the strength o TITLE: SOURCE: Fizika tverdogo tela, v. 5, no. 5, 1965, 1326-1334 TOPIC TAGS: tensile strength, disorientation, Ag, Mi, Al, Cu, Zn, low-engle scattering, x-ray scattering, dislocations ABSTRACT: The authors studied the relationship between tensils strength and degree of disorientation in certain metals: Ag, El, Al, Cu and Zn. The degree of disorientation was determined by low-angle squittering of M-1724. All the injectigated metals exhibit a linear relationship battenen strength and disordentation in the structure. The role of dislocations is not altogether clear, but it would appear to reduce to a preparation of conditions for disruption to occur. Local restresising is produced, and there occur a consequent levering of the value of the activation barrier and an acceleration of fluctuating rupture of bomis in the metal. Orig. art. has: 7 figures, 2 tables, and 8 formulas. physical and technical inst. addamy of Sc. Ucke

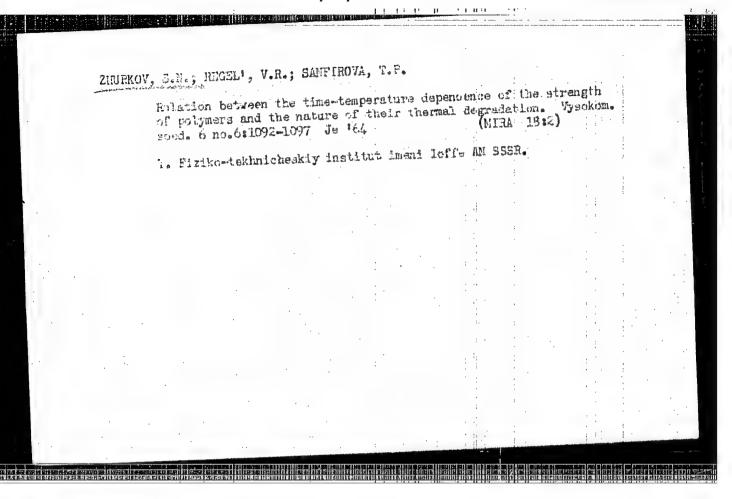


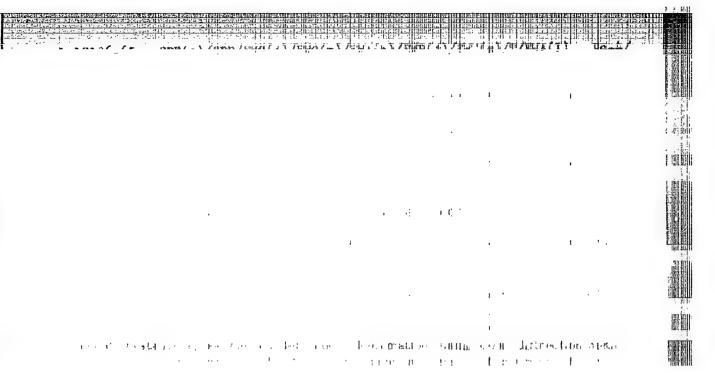
ZHURKOV, S.N.; SLUTSKER, A.I.; YASTREBINSKIY, A.A. Effect of loading on the supermolecular structure of oriented polymers. Dokl. AN SSSR 153 no.2:303-305 N '63. (MIRA 16:12) 1. Fiziko-tekhnicheskiy institut im. A.F.Ioffe AN SSSR. 2. Chlen-korrespondent AN SSSR (for Zhurkov).	
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7 Fiziko-tekhnicheskiv institut im. A.F.Ioffe AN SSSR.	Effect of loading on the supermolecular structure of oriented polymers. Dokl. AN SSSR 153 no.2:303-305 N '63. (MIRA 16:12)
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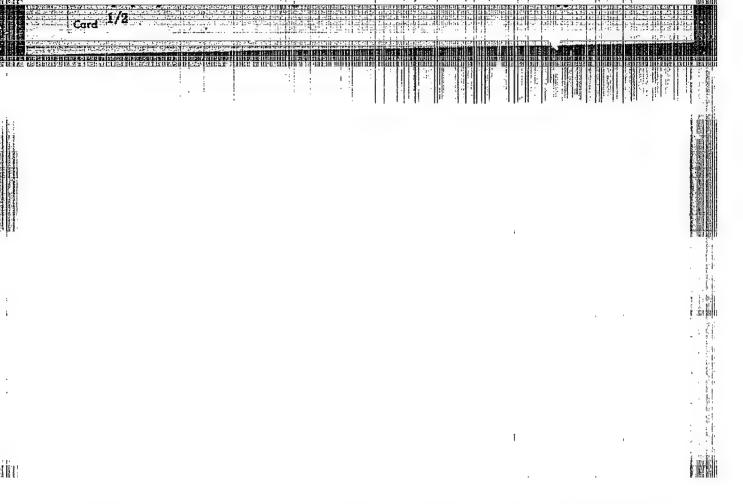
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AUTHORS: Zhurkov, S. N.; Zakrevskiy		E. Ye.	
TITLE: The formation of free range		2-1914	
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ABSTRACT: The authors present data	on a number of sylver rubber (ebonite and albumin (horn	and cured rubber and hair). The	EPR spectra of th 3-cm range.
all samples were recorded on a sound all samples were recorded on a sound all samples were recorded on a sound sample sample samples were recorded on a sound sample samp	indicated polymers n in Fig. 1 on the	Enclosure. The	med by rupture
asymmetrical EPR spectrum, as show that this EPR spectrum must be due of relatively weak C-S and S-S in caused either by rupture of the or	oonds. In Thickol ross link or by ru	pture of the sul	fide bonds in
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to provide the second s	 the macromolecules (probably by both). Heating of a compressed sample of ebonite to room temperature (from the temperature of liquid nitrogen) led to a noticeable to room temperature (from the temperature of number of detected radicals. The relaxation of deformation and to a decrease in the number of restoration of relaxation of free radicals may change either as a consequence of restoration of number of free radicals may change either as a consequence of stability of the free number of hemical bonds or through a change in conditions of stability of the sample. Orig. art.	on the fine of the
**3*	has: 2 figures. ASSOCIATION: Fiziko-tekhnioheskiy institut im. A. F. Ioffe AN ESSR, Leningrad (Physicotechnical Institute AN SSSR) ENCL: 01	
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ACCESSION NR: AP4034054

8/0126/64/017/004/0564/0571

AUTHORS: Zhurkov, S. N.; Betekhtin, V. I.; Sluteker, A. I.

TITLE: Time dependence of resistance of two-phase alloys on aluminum base

SOURCE: Fizika metallov i metallovedeniye, v. 17, no. 4, 1964, 564-571

TOPIC TAGS: aluminum alloy, duraluminum, copper, magnesium, binding energy, crystal

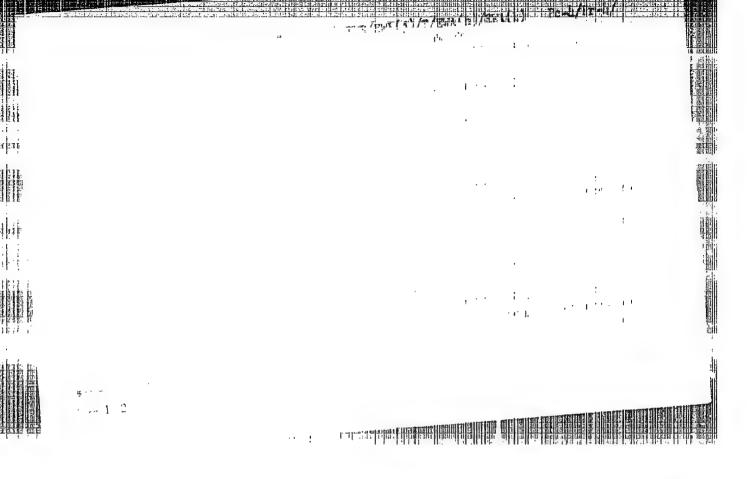
ABSTRACT: The authors studied the time dependence of the resistance of two-phase alloys of Al with Cu (4, 0.6, and 2.7%) and Al with Mg (2%) in stable and unstable states. For these experiments, the alloys were prepared using a flux of 50% NaCl + 50% KCl. All the alloys were forged hot and were subjected to a homogenizing process of annealing. After annealing, the specimens were formed to double blades 0.1 mm thick, with the length of the homogeneous deformation part of 22 mm and a width of 3 mm. The experiments were performed under conditions of uniaxial tension at constant stress and constant temperature, following the procedure of S. N. Zhurkov and T. P. Sanfirova (DAN, SSSR, 1955, 101, 237). The results showed the time dependence of the resistance of a two-phase alloy in the stable state (after high-temperature annealing) generally followed the relation $t = t_0 \exp\left(\frac{U_0 - V_0}{2}\right)$.

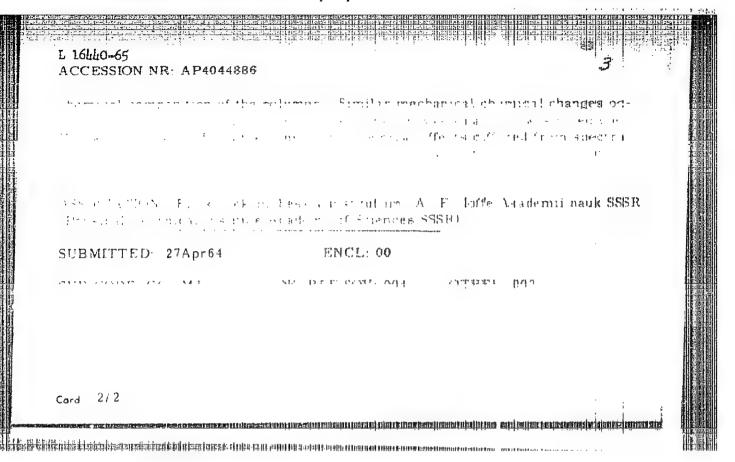
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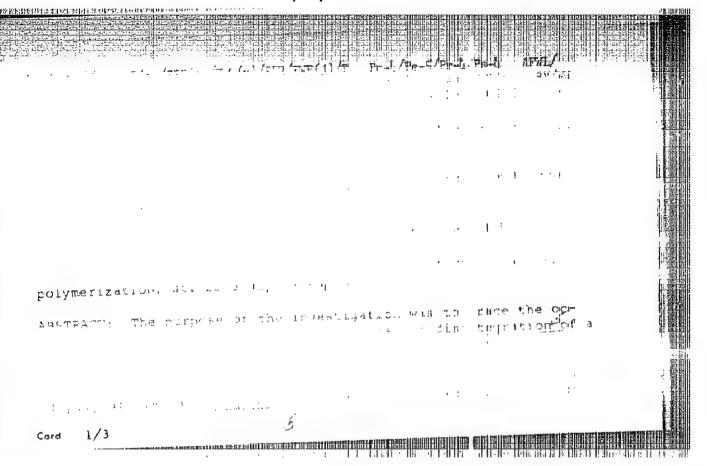
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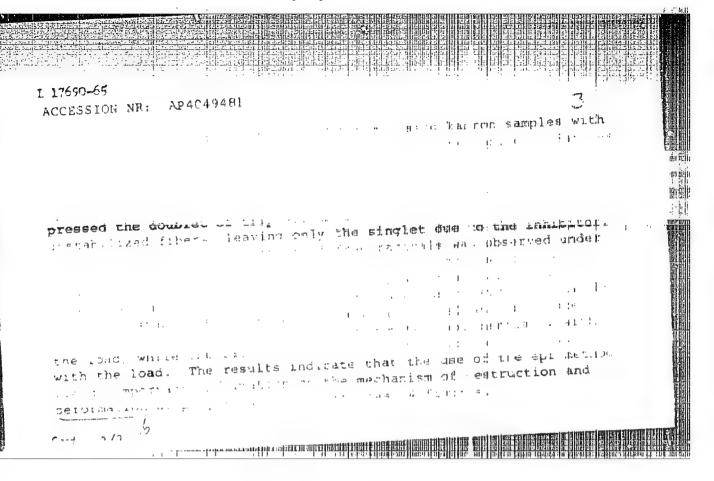
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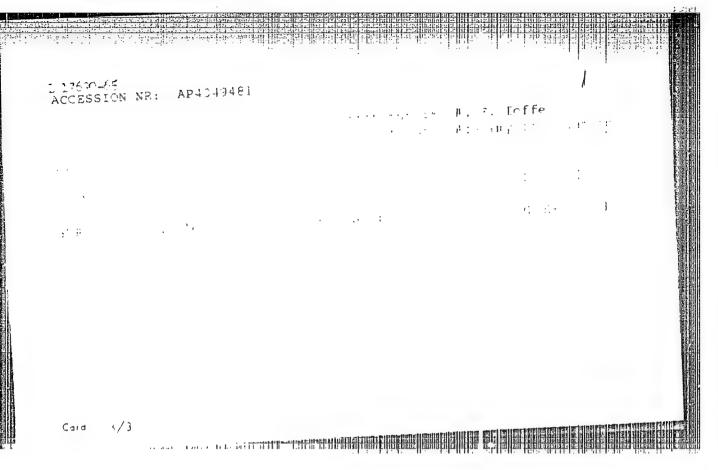
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ere \mathbf{U}_{0} , \mathbf{C}_{\bullet} , $\mathbf{\mathcal{T}}$ are constants dep	pending on the resistance properties of the alloy,	
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ZHURKOV, S.N.; EETEKHTIN, V.I.; PETROV, A.I.; SLUTSKER, A.I.

Changes in the disorientation of blooks in metals during creep.
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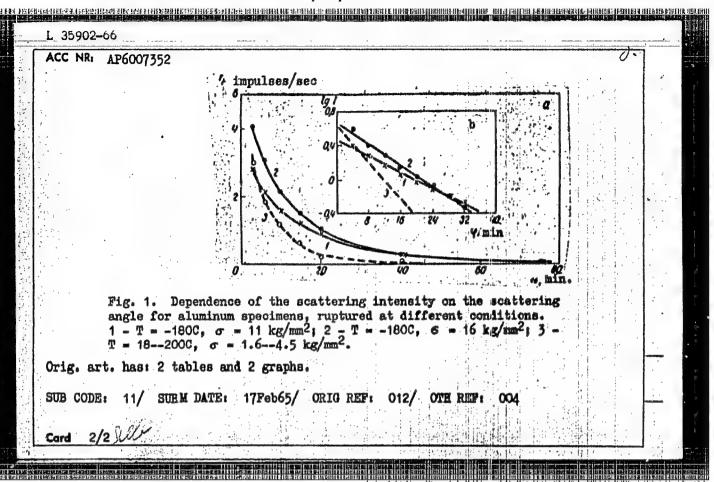
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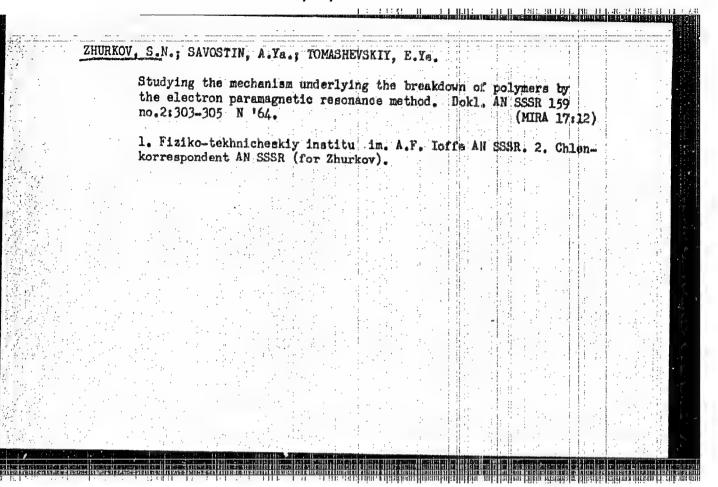
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MR/WW EWT(m)/EPF(c)/EWP(j)/T/ETC(m) L 00749-66 UR/0190/65/007/008/1339/1343 ACCESSION NR: AP5020966 AUTHOR: Zhurkov, S. N.; Regel', V. R.; Sanfirova. TITLE: Effect of active additives on the time-temperature dependence of polymer strength SOURCE: Vysokomolekulyarnyye soyedineniya, v. 7, no. 8, 1965, 1339-1343 TOPIC TAGS: polymer, depolymerization, pole shift, the mal decomposition, radical reaction, stabilizer additive ABSTRACT: The authors previously proposed that the pole shift effect in polymers is caused by secondary radical reactions which affect the degradation process rate. The effect of the addition of active additives to polymethylmethacrylate on the pole shift in lgT -1/T coordinates was studied. Radical reaction initiators (benzoyl peroxide) increased the pole shift, that is, shifted the pole to the right away from the ordinate axis. Radical reaction inhibitors (hydroquinone, diphenylmethacrylamide, 2, 2'-methylene-bis-4-methyl-6-tert, hutylphenol, 2-(2-hydroxy-5-methylphenylbenzocresol) decreased the effect, shifting the pole Card 1/2

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L 35902-66 EWT(m)/EWP(w)/T/EWP(E)/ETI ACC NR: AP6007352 UR/0125/66/021/002/0248/0251 AUTHORS: Zhurkov, S. N.; Betekhtin, V. I.; Petrov, A. I.; Slutsker, A. I. ORG: Physico-Technical Institute im. A. F. Ioffe (Fiziko-tekhnicheskiy institut) TITLE: Strength of aluminum at low temperature and disorientation of blocks SOURCE: Fizika metallov i metallovedeniye, v. 21, no. 2, 1966, 248-251 TOPIC TAGS: aluminum, x ray spectroscopy, crystal lattice, tensile strength, RUPTURE STRENGTH ABSTRACT: An x-ray analysis of ruptured aluminum specimens, broken at -180C, was carried out. The study was undertaken to determine the reasons for the deviation of the experimentally determined destruction time T from that calculated from the relationship where \mathbf{U}_{0} , $\mathbf{\gamma}_{0}$ and $\mathbf{\gamma}_{0}$ are characteristic constants of the material, $\mathbf{\sigma}_{0}$ is the applied stress, R is the gas constant, and T is the absolute temperature. The experimental procedure followed is described by A. I. Slutsker and Ye. A. Yegorov (PTE, 1959, 5, 89). The experimental results are presented graphically (see Fig. 1). It is concluded that the deviation of 7 from the theoretical expression is caused by the variation in Y. The variation in Y is believed to be caused by a disorientation of blocks in the aluminum specimens. Card 1/2 UDC: 539.292:539.4

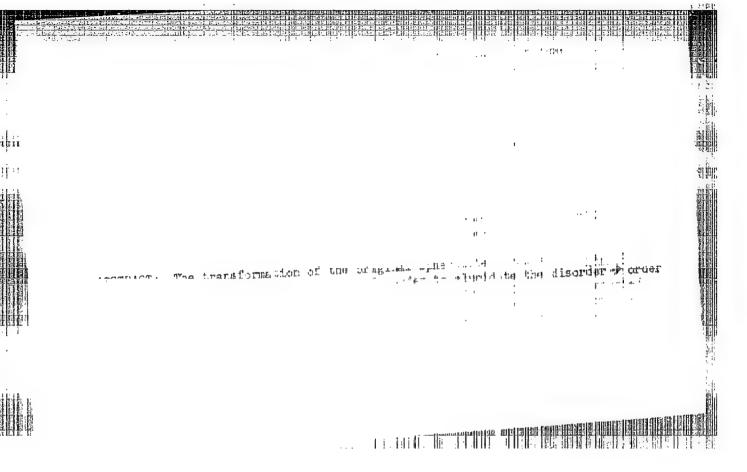


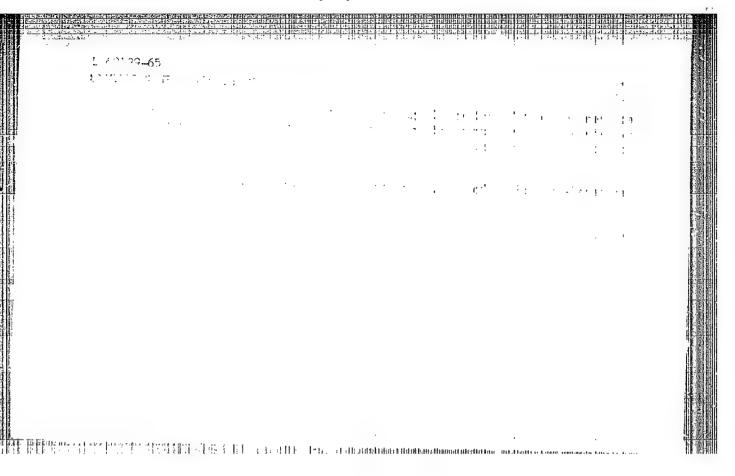


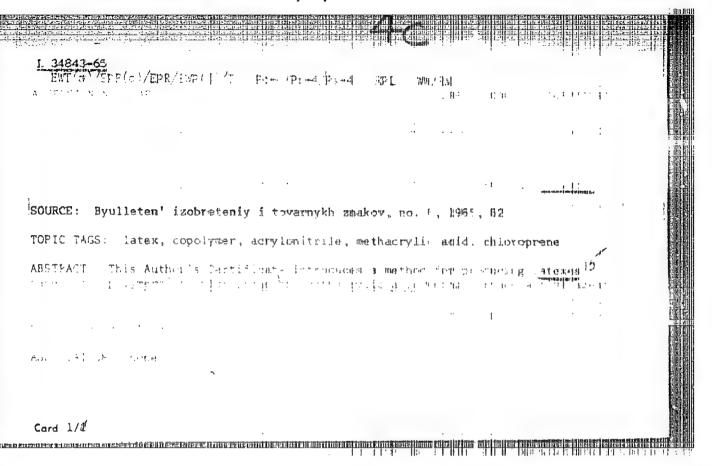
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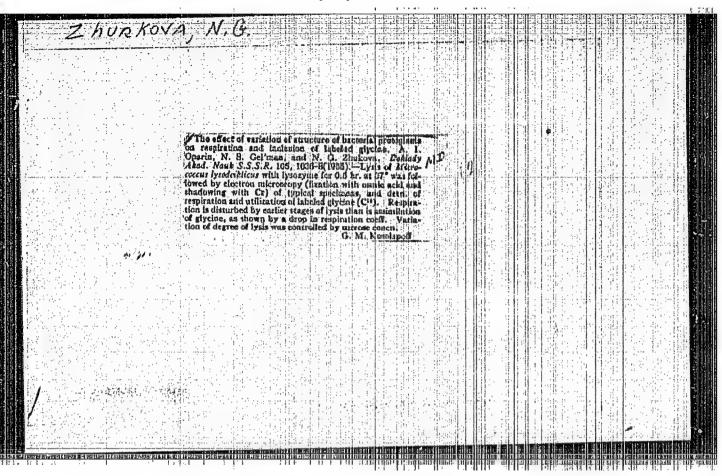
Interrelation of the elastic deformation and structure of oriented polymers. Fiz. tver. tela 6 no.12:3601-3607 D '64 (MIRA 18:2)

1. Fiziko-tekhnicheskiy institut imeni Ioffe AN 1353, Leningrad.



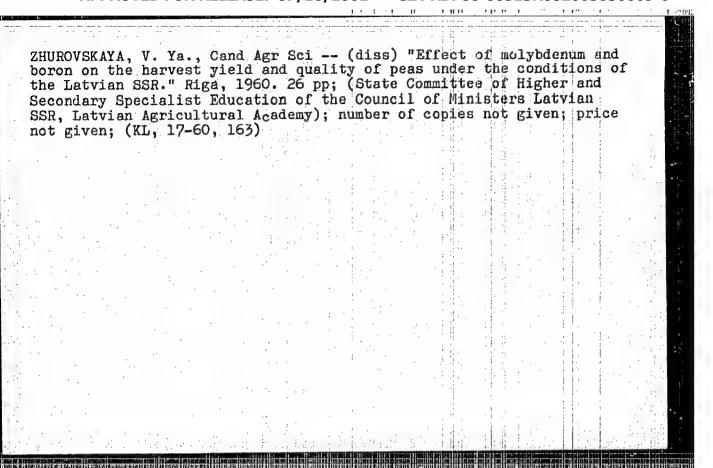






- 1 SERGEYEV. V .: ZHURKOVSKAYA , G .: PAL'GOVA, M.
- 2. USSR (600)
- 4. Butter
- 7. Storage stability of molded sweet cream butter. Mol. prom. 13 no. 11; 1952.

9. Monthly List of Russian Accessions, Library of Congress, February 1953, Unclassified

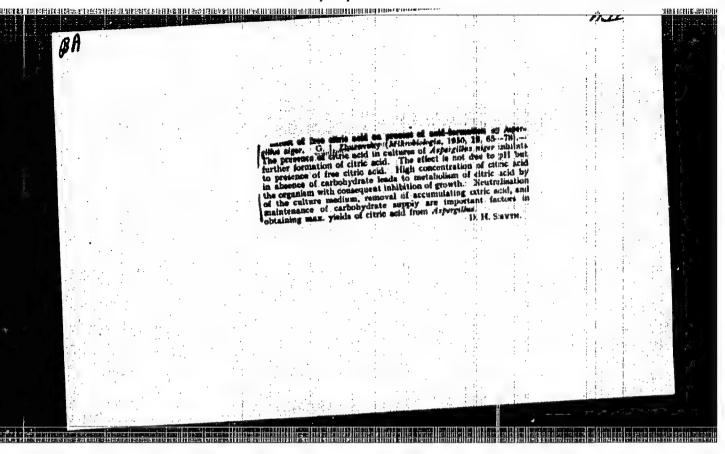


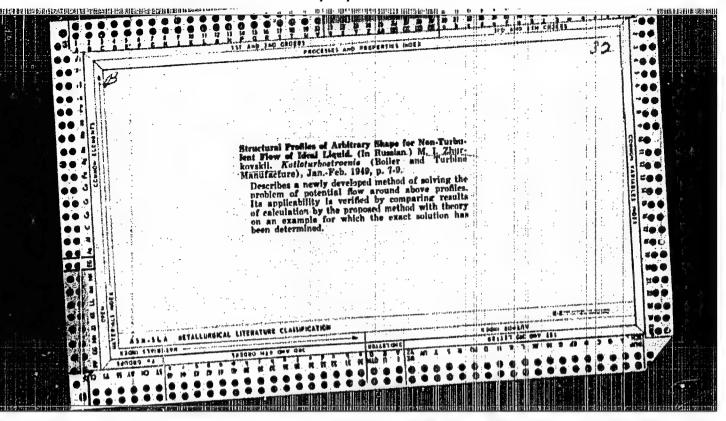
ZHUROVSKI, D.

"Application of Roga's method for determining the clinkering capacity of the black coal from the Balkan basin."

KHIMIIA I INDUSTRIIA, Sofiia, Bulgaria, Vol. 31, no. 1, 1959.

Monthly list of East Europe Accessions (EEAI), LC, Vol. 8, No. 6, Jun 59, Unclas





- 1. MERKULOV, M. D., Eng.; ZHURKOVA, A. V. Eng.
- 2. USSR (600)
- 4. Peanuts
- 7. New machines for preparing seeds and sowing peanuts. Sel' khozmashina No. 5, 1953.

9. Monthly List of Russian Accessions, Library of Congress, April 1953, Uncl.

ZHURKOVA, Z.A., Cand Tech Sci-n! Extraction of tin from stanners raw material." Hos, 1959. 21 pp with graphs (Min of Geology and Conservation of Mineral Resources of the USSR. All-Union Scientific Research Inst of Mineral Raw Material), 200 copies (NJ, 27-59, 120)

- 26-

ZHURKOVSKAYA, T. I., Candidate Med Sci (diss) -- "Morphological changes in cancer of the cervix uteri during radiation treatment". Moscow,1959. 11 pp (State Sci Res Roentgenological-Radiological Inst of the Min Health RSFSR), 150 copies (KL, No 25, 1959, 140)

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ZHURKOVSKAYA, T.I., assistent

Cytological picture of the endocervix in precencerous diseases of the cervix uteri. Sbor. nauch. trud. Rost. gos. med. inst. no. 21:45-48 '63.

Prognostic importance of cytological investigations in treating cancer of the cervix uteri. Ibid.:49-52

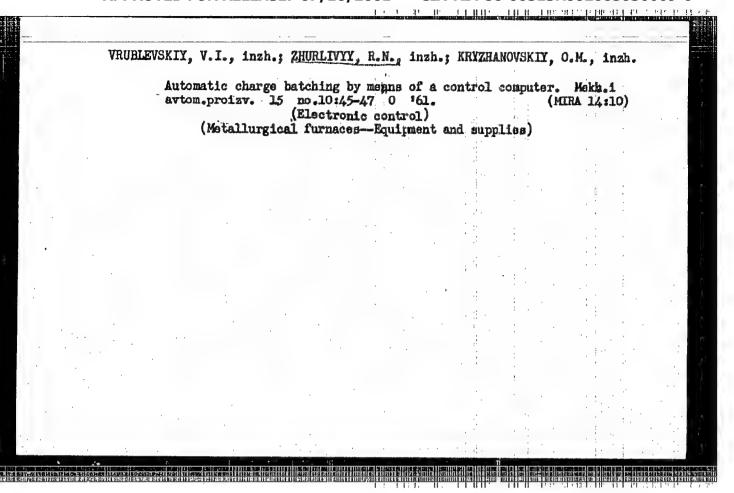
Treatment of radiation injuries of the rectum. Ibid.:111-115

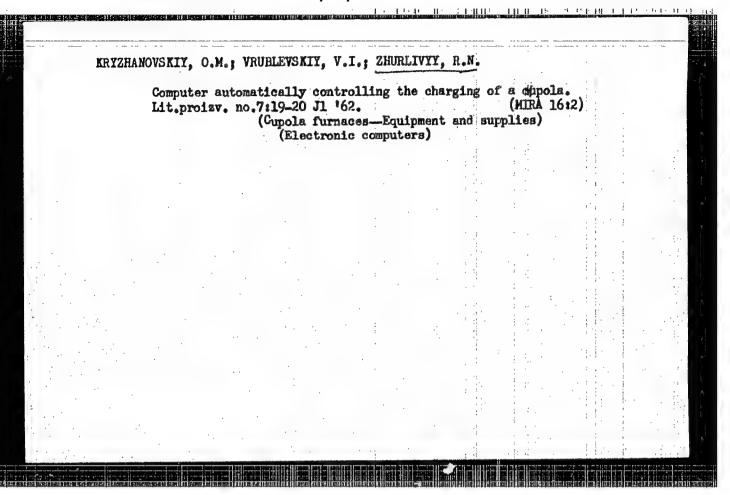
Meigs' symptom in benign tumors of the ovaries. Ibid. 127-129 (MIR) 17:11)

1. Iz kafedry akusherstva i ginekologii (zav. - prof. P. Ka. Lelichuk) Rostovskogo meditsinskogo instituta i Instituta rentgehologii, radiologii i onkologii Ministerstva zdravcokhraneniya ESFSR (dir. - A.K. Papkov).

Immediate results of treating cancer of the ovarious of the combined method. Shor. nauch. trud. Rost. god. tree. inch. no.21:81-87 163. (Hill 17:11)

1. Iz kafedry akusheratva i gluckologii (may. - prof. "Ya. leithom) Rostovskogo meditainskogo instituta.





VRUBIEVSKI7, V.I.; ZHURLIVYY, R.N.

Raising the precision of proportioning the feed cupola charge materials. Lit. prolzv. no.3:23-24 Mr '64. (MIRA 18:9)

ZAYTSEV, L. S.; SITDYKCV, S. SH.; ZHURLOV, N. L.

Geography and Geology

Requirements of industry as to the quality of mineral raw materials. Handbook for geologists--Moskva, Gos. izd-vo geologicheskoi lit-ry Komiteta po delam geologii pri SNK SSSR, No. 44, Arsenic, 1947.

9. Monthly List of Russian Accessions, Library of Congress, Cutober 195%, Uncl

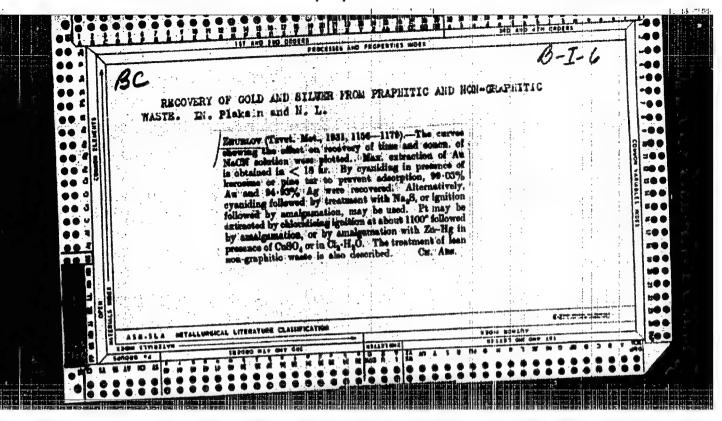
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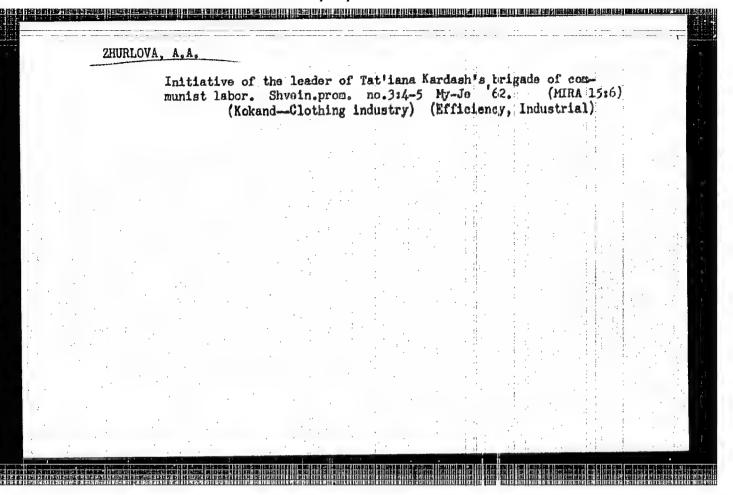
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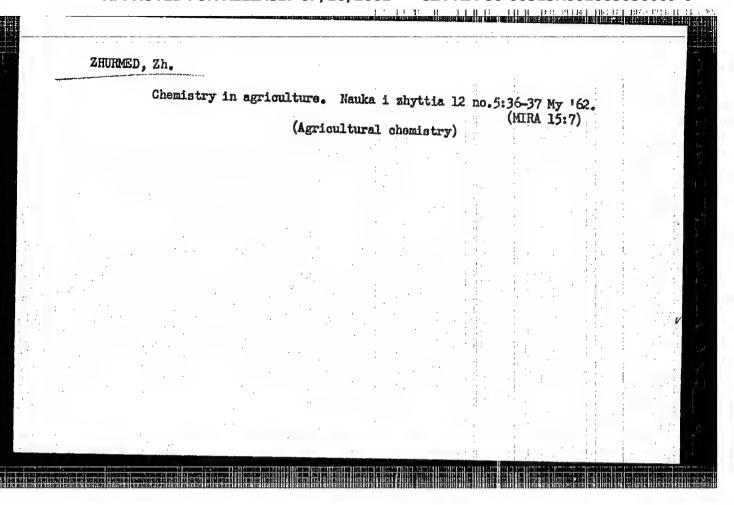
Geography and Geology

Requirements of industry as to the quality of mineral raw materials. Handbook for geologists. Moskva, Gos. izd-vo geologicheskoi lit-ry Komiteta po delam geologii pro SNK SSSR No. hk Arsenic 1947

Monthly List of Russian Accessions, Library of Congress, October, 1952 Unclassified







ZHURMYBSKI A.M.. professor, doktor geolagi-mineralagichnykh mavuk

Problems and prospects of the development of Soviet paleophysiology, Veetsi AN BSSR no.4:133-139 J1-Ag '54.

(MEA 8:9)

1. Chlen-karespandent Akademii navuk BSSR.

(Paleontology)

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	Brucella detection in environmental objects by the reaction of complement fixation. Veterinariia 38 no.1:75-77 Ja 162.								
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ZHURNAKOVA, M.A., doktor veterir. nauk; MALYGIN, V.I., nauchnyy sotrudnik; BORISENKOVA, A.N., nauchnyy sotrudnik; BOLOTNIKOV, I.A.

Parasllergic reaction to tuberculin by cattle affected with fowl-type microbacteria. Veterinariia 41 no.3:23-25 Mr 164.

1. Leningradskiy nauchno-issledovatel skiy veterinarnyy institut (for Zhurnakova, Malygin, Borisenkova). 2. Glavnyy veterinarnyy vrach Sovkhoza "Vernyy put!", Leningradskaya ob. (fc. Beletnikov).

MALYGIN, V.I., nauchnyy sotrudnik; BORISENKOVA, A.N., nauchnyy sotrudnik; ZHURNAKOVA, M.A., doktor veterin. nauk; BOLOTNIKOV, I.A.

Infection of cattle with the tuberculosis agent of human type. Veterinariia 41 no.4:37-39 Ap '64. (MIRA 17:8)

1. Leningradskiy nauchno-issledovatel'skiy veterinarnyy institut (for Malygin, Borisenkova, Zhurnakova). 2. Veterinarnyy vrach sovkhoza "Vernyy put'" (for Bolotnikov).

ZHURNAKOVA, M.A., doktor veterin.nauk; MALYGIN, V.I., nauchnyy sotrudnik;

BORISENKOVA, A.N., nauchnyy sotrudnik; SHORSHNEV, V.I., aspirant;

SYUMKINA, G.V.

Allergy in hens without tuberculosis lesions. Veterinariia 41
no.3138-40 Mr '65. (MIRA 18:4)

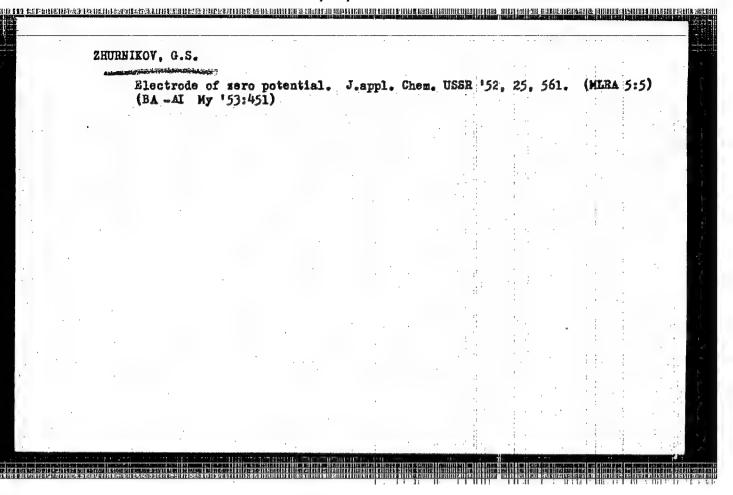
1. Leningradskiy nauchno-issledovatel'skiy veterinariyy
institut (for Zhurnakova, Malyg'n, Borisenkova, Shorehnev).
2. Glavnyy veterinarnyy vrach sovkhoza "Pudost'", Gatchinskoye
proizvodstvennoye upravleniye, Leningradskaya oblast' (for
Syumkina):

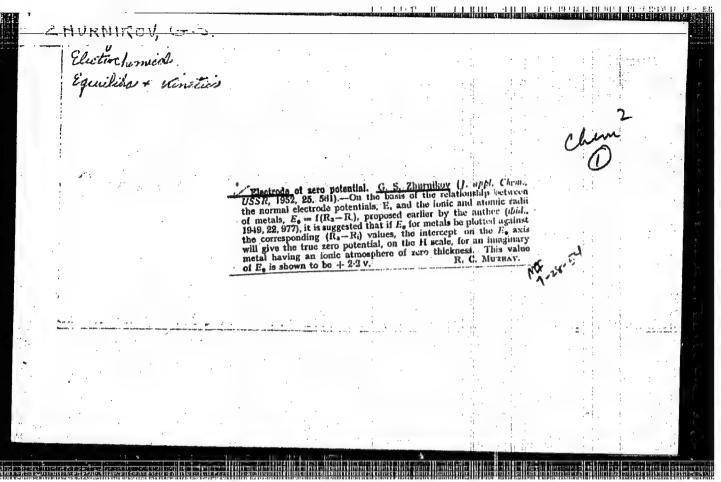
SHORSHNEY, V.I., aspirant; ZHURNAKOVA, M.A., doktor veter. nauk, nauchnyy rukovoditel!

Studying acid-resistant bacteria isolated from unused peat litter. Veterinariia 42 no.10:41-43 0 165.

(MIRA 18:10)

1. Vsecoyuznyy nauchno-issledovatel skiy institut po boleznyam ptits,





8/080/62/035/011/007/011 D287/D307

AUTHORS: Rozental', L.V., Zhurnina, F.G., and Smirnov, O.K.

TITLE: The plasticizing effect of compounds which act as sol-

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vents for cellulose triacetate

PERIODICAL: Zhurnal prikladnoy khimii, v. 35, no. 11, 1962,

2512 - 2520

TEXT: The solvent action of phenylethyl phenols and of some of their derivatives (esters of fatty acids and fatty alcohols) was studied. Films of partially saponified cellulose triacetate, containing approximately 60 % bound acetic acid and having an average degree of polymerization of 350 were used during the experiments. The phenylethyl phenols were prepared by condensing phenol and styrene in the presence or absence of H₂SO₄ in toluene. A mixture of

o-and p-isomers as well as the di-dubstituted compound 2,4 - di (α -phenylethyl phenol) were obtained during both methods of synthesis. The isomers were separated by repeated rectification and crystallization of the p-isomer. It was found that compounds containing an

Card 1/2

The plasticizing effect of ...

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unsubstituted hydroxy group in the phenyl nucleus acted as solvents for cellulose triacetate. The plasticizing effect of compounds which have a low degree of compatibility is greater than that of plasticizers soluble in cellulose triacetate; this is improved by reduced brittleness of the film, especially at low temperatures (at -60°C). The authors suggest that plasticizing compounds with well as discrepancies between the specific weight of the films account for the above phenomenon. The slight effect of plasticizers (which are completely compatible with cellulose triacetate) at low droxyl groups of the partly saponified cellulose triacetate and the polar groups of the plasticizer, i.e. the hydroxy groups of the phenols. There are 6 tables.

SUBMITTED: June 2, 1961

Card 2/2

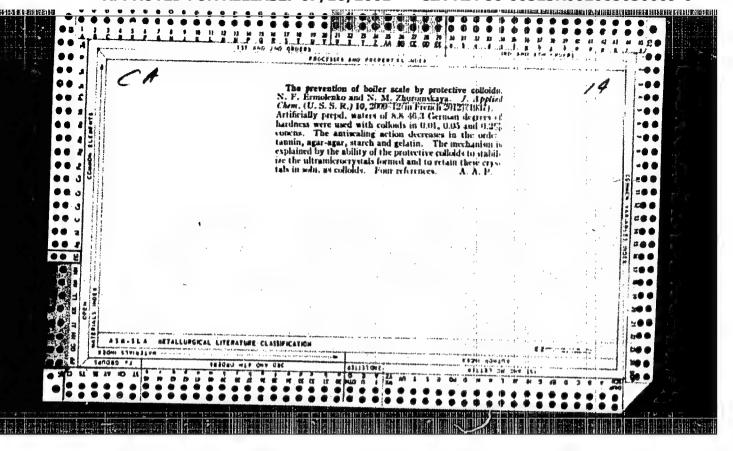
AZELITSKAYA, R.D., dots., kand. tekhn. nauk; ZHURNOVSKAYA, V.V., insh.

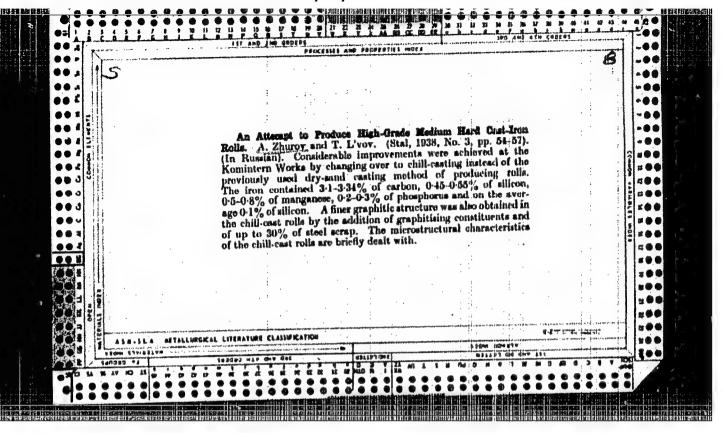
Effect of alkalies (K₂CO₃, Ma₂CO₃, and LiCo₃) on some properties of cement. Trudy NFI 27:147-150 756.

(MIRA 10:12)

1. Kafedra tekhnologii tsementa Novocherkasskogo politekhnicheskogo instituta.

(Alkalies) (Gement)



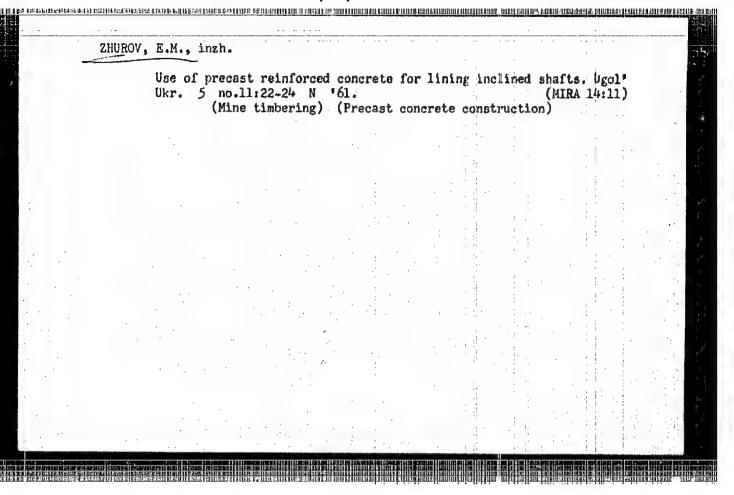


ZHUROV, D.M., Inzh.

Cogged supports designed by the all-Union Scientific Research Institute for the Organization and Mechanization of Mine Construction. Shakht. stroi. 9 no.6:9-11 Je 165.

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1. Vsesoyuznyy nauchno-issledovateliskiy institut organizatsii i mekhanizatsii shakhtnogo stroitel'stva.



ZHUROV, E.M., inzh.; KHMEL'NITSKIY, L.Ye., inzh.

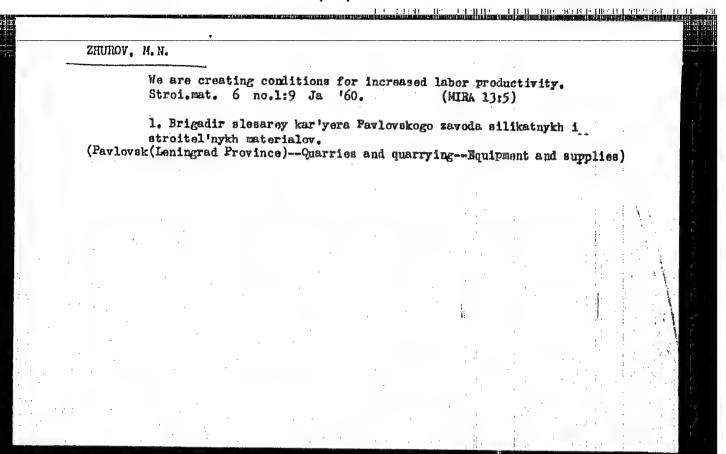
Sectional reinforced concrete linings for inclined shafts. Krepl.
gor. vyr. ugol'. shakht no. 1:188-202 '57. (MIRA 11:7)

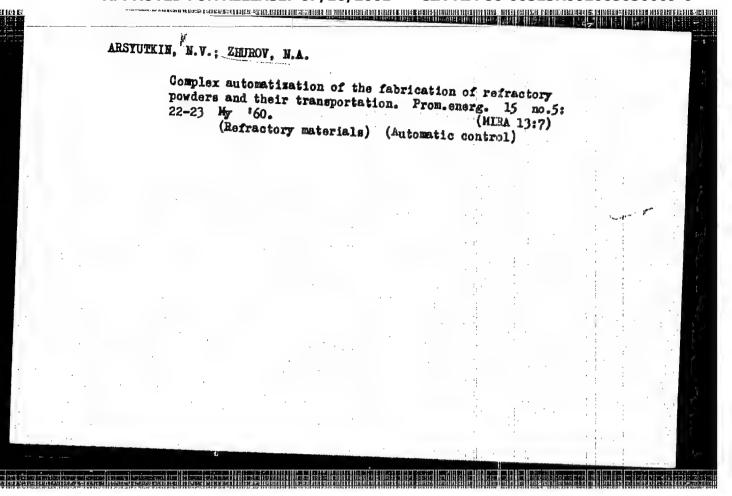
1. Vacsoyuznyy nauchno-issledovatel'skiy institut organizatsii i mekhanizatsii shakhtnogo stroitel'stva.
(Shaft sinking)
(Mine timboring)
(Reinforced concrete constructions)

OVTSYN, Nikolay Konstantinovich; VARENYSHEV, Viktor Mikhaylovich; ZHUROV, Ivan Ivanovich; IVANOV, P.P., red.; PANKRATOV, A.I., tekhn. red.

[Repair of automatic "AT" looms] Remont avtomaticheskikh tkatskikh stankov tipa "AT". Ivanovo, Ivanovskoe knizhnoe izd-vo, 1960. 142 p. (MIRA 14:7)

(Looms-Maintenance and repair)





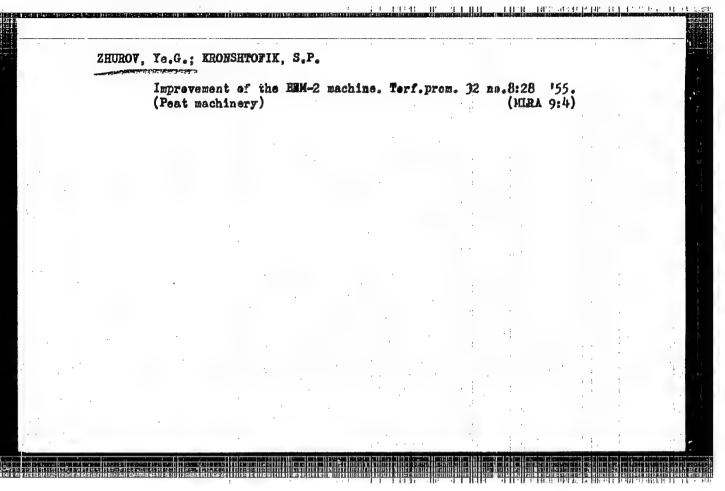
BUTTRIN, A.V.; ZHUHOV, N.M.; YEVSTIFETEV, N.M.

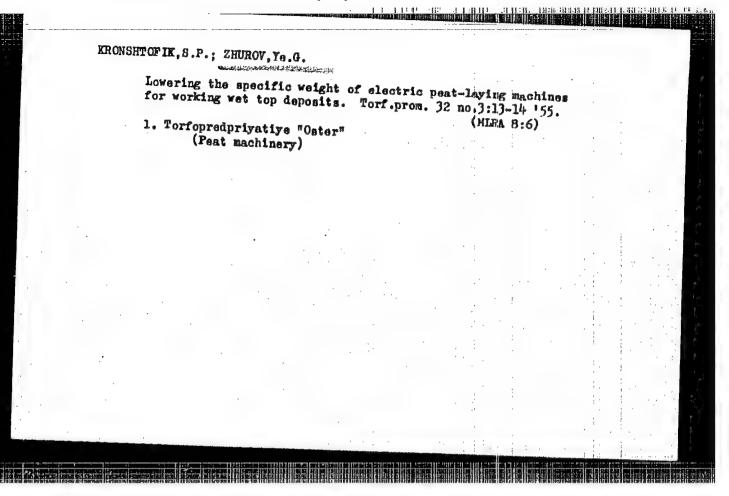
Attaching an aerosol generator to the spraying machine. Zashch.
rast.ot vred.i bol. 4 no.3:21-23 My-Je '59.
(MIRA 13:4)

1. Inzhenory po khlopku Gosudarstvennogo epetsial'nogo konstruktorskogo byuro.
(Spraying and dusting equipment) (Aerosole)

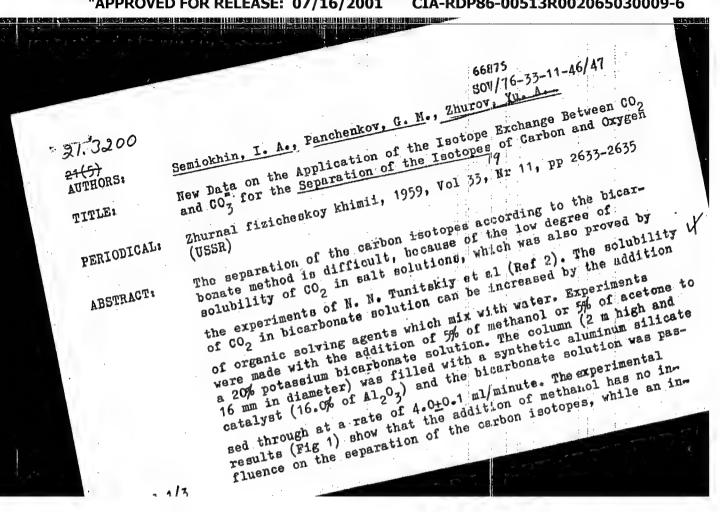
VISHNEVSKIY, Zakhar Arkad yevich; ZHUROV, V.M., retsenzent; BARINOVA, O.N., red.

[Repair of amateur motion-pictures] Remont liubitel*skikh kinos*emochnykh kamer. Moskva, Legkaia industriia,
1965. 186 p. (MIRA 18:2)





	Separation of carbon isotopes by the bicarbonate method. Vest.				Mosk.
	un. Ser. 2: Khim. 1	15 no.5:6-12 8-	-0 '60.	(HIRA 13:11)	
	l. Moskovskiy gosud khimii.	larstvennyy uni	lversitet, kafedra	fizicheskoy	
		topes) (Isoto	pes-Separation)		
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66875

SOV/76-33-11-46/47

New Data on the Application of the Isotope Exchange Between CO2 and CO3 for the Separation of the Isotopes of Carbon and Oxygen

crease of the general separation coefficient was achieved with acetone. The experiments of Urey et al (Ref 5) showed that this was not achieved with pure acetone. Investigations have still to be carried out on the side-reaction CO, + acetone -> acetone. $c0_{2^{\frac{1}{3}}}$ acetone. $c^{12}0_2 + c^{13}0_2 \rightleftharpoons acetone.c^{13}0_2 + c^{12}0_2$. The isotope exchange in the system CO2 - HCO3 - CO3 is recommended for the concentration of the isotope 018. Since a worker of the laboratory of V. K. Korovkin according to the method of Bigeleisen (Ref 6) calculated, the constant of equi- $300_2^{16} + 200_3^{=18}$ $300_2^{18} + 200_3^{=16}$ to be $K_{293}^{=1.42}$, it could be assumed that 0^{18} will accumulate in the gas-phase. librium of the reaction The separation coefficient calculated with the equation of A. I. Brodskiy (Ref 7) is \propto_{293} = 1.06. Carbon dioxide was used as initial substance, a 12.4% KOH-solution served as absorption

Card 2/3

66875 SOV/76-33-11-46/47

New Data on the Application of the Isotope Exchange Between CO2 and CO3 for the Separation of the Isotopes of Carbon and Oxygen

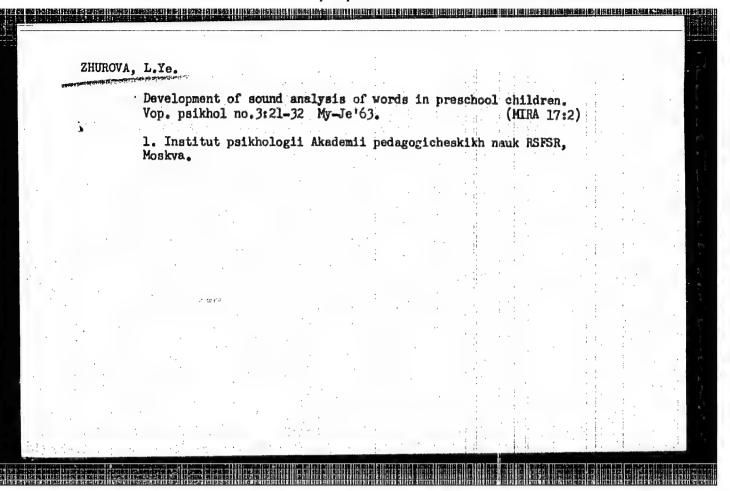
> agent. The separation of the oxygen isotopus was carried out in a column of the above mentioned dimensions, but different fillers were used (aluminum silicate catalyst 11.5% Al203 and 83.9% of SiO2, alumina from the Askanskoye deposits 16.5% of Al203, 75.4% of SiO2, nickel chromium spirals and active carbon (BAU)), which were subjected to previous treatment. The best results were obtained (Fig 2) with active carbon (BAU), i.e. a separation coefficient of S = 1.135. Finally thanks are expressed to L. N. Gorokhov for his help in the mass-spectrometrical analysis. There are 2 figures and 7 references, 2 of

ASSOCIATION:

Moskovskiy gosudarstvennyy universitet im. M. V. Lomonosova (Moscow State University imeni M. V. Lomonosov)

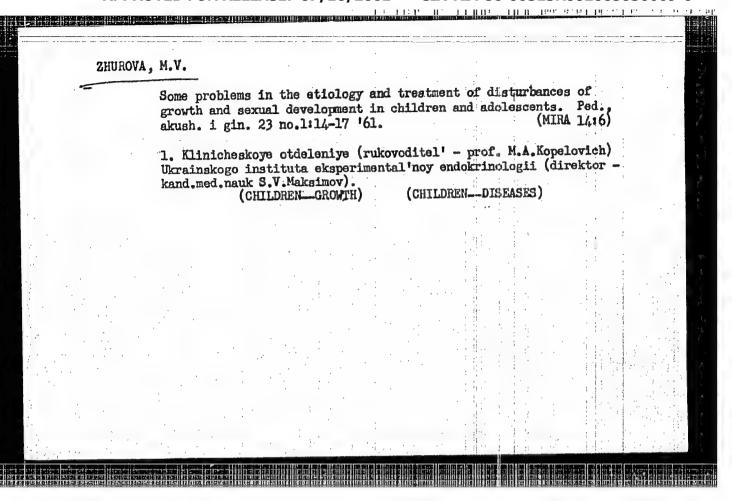
SUBMITTED: Card 3/3

June 9, 1959



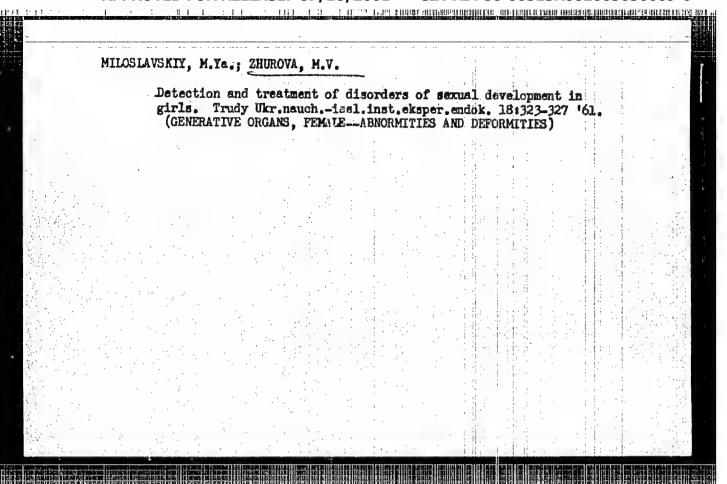
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ZHUROVA, L.V., Cand Ked Sci — (disc) " Certain problems of the sticlogy, clinic, and the sticlogy of the disturbances of growth and sexual development in children and adolescents." Khar'kov, 1953. 13 pp (Khar'kov Med Inst) 320 copies (KL, 43-58, 118)

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ZHUROVA, M.V., DRAZNIN, N.M., BOBANOVSKAYA, L.I.

"The Problem of the Functional Conditions of the Thyroil Gland during Pregnangy" p. 90, in the book Experience in the Use of Radioactive Esotopes in Medicine R. Ye. KAVETSKIY and I.T. SHEVCHENKO, published by the Changedize Publishing House of the UKRAINIAN SSR, KIEV 1955, represents medical transactions of a conference held in KEEV from 18-20 January 1954.

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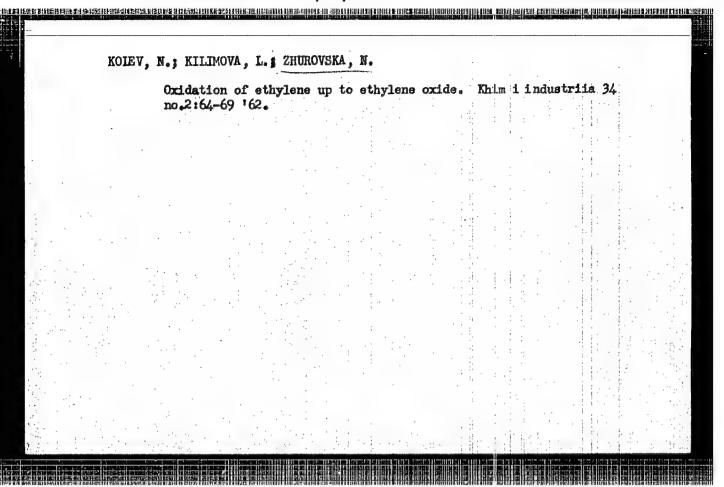
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ZHUROVLEV, Boris Alekseyevich

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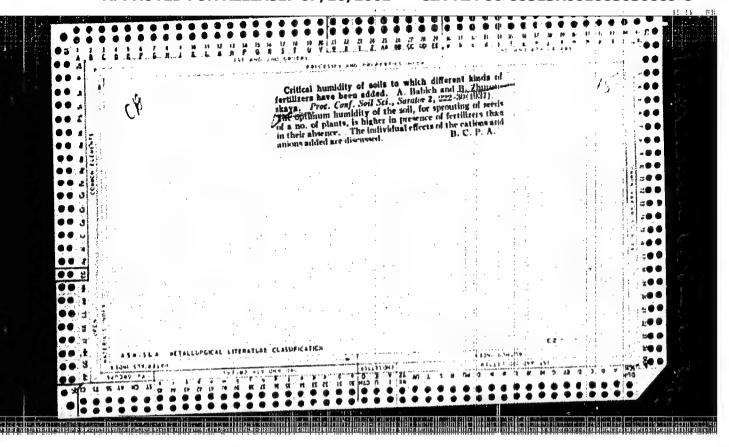
Spravochnik Po Montazhu Vnutritsedhovykh Truboprovodov (Reference Book for Assembly of Inter-Shop Pipe Conduits, By) S. N. Lisitsyn. Moskva, Gosstroyizdat, 1959.

219P. Diagrs., Graphs, Tables.



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Mechanism of the activation of a silver catalyst for the oxidation of ethylene into ethylene oxide. Godishnik Inst khim prom 2:71-81 163.



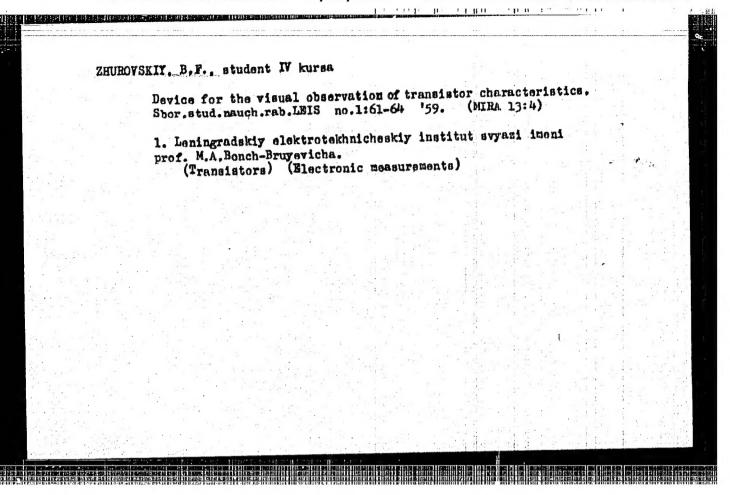
ZHUROVSKAYA V. Ya. (USSR) "Effect of Molybdenum and Copper on the Yield and Quality of Grazing Meadow Grasses." Report presented at the 5th Int'l Blochemistry Congress, Moscow, 10-16 Aug. 1961

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Swelling pressure of coals in coking. Min delo 18 no. 12: 33-35 D'63.

1. Nauchnoizsledovatelski institut za koksokhimiia i neftoprerabotvane.

ZHUROVSKI, D. Goal-tar pitches with various physicohemical properties, and their influence on the coking capacity of poor, bad-coking coals. Khim i industrila 35 no.2154-57 '63.



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